

What Is Claimed Is:

1. A fuel injector (1) having a magnetic coil (2), which cooperates with an armature (7) acted upon by a restoring spring (14), the armature forming an axially movable valve part together with a valve needle (8), a valve-closure member (10), which forms a sealing seat with a valve-seat body (11), being provided on the valve needle (8), wherein a valve sleeve (5) is provided which surrounds the armature (7) and the valve needle (8), the wall thickness of the valve sleeve (5) varying across its axial extension.
2. The fuel injector as recited in Claim 1, wherein the wall thickness of the valve sleeve (5) decreases in a discharge direction of the fuel.
3. The fuel injector as recited in Claim 1 or 2, wherein the wall thickness of the valve sleeve (5) amounts to approximately 0.5 mm in an inflow-side region (25).
4. The fuel injector as recited in Claim 3, wherein a supply pipe (24) is inserted into the valve sleeve (5) in the inflow-side region (25).
5. The fuel injector as recited in Claim 3, wherein the supply pipe (24) is integrally formed with the valve sleeve (5).
6. The fuel injector as recited in Claim 4 or 5, wherein a radial cross section of the valve sleeve (5) is reduced between the inflow-side and a discharge-side region (25, 26) on a collar (27).
7. The fuel injector as recited in Claim 6, wherein the wall thickness of the valve sleeve (5) amounts to approximately 0.3 mm in a discharge-side region (26).